

ME.140-14/10ASW-KTEI BUFFERABLE CCTV CAMERA INTELLIGENT POWER SUPPLY DISTRIBUTION UNIT WITH 10 OUTPUT BATTERY INSERTION OPTION, USER'S MANUAL

ATTENTION! Touching of mains terminal after power connection is dangerous! Use of protective earthing is compulsory for safety purposes!

The connecting information is in the label of the power supply. Use appropriate wire size on the **OUT** connection.

WORKING MODES

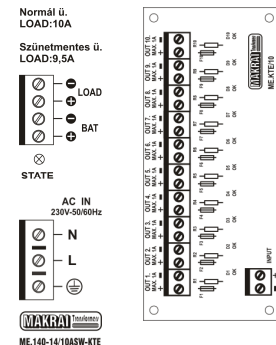
1. Normal mode: 12 V output (default)

Connect mains to connector **AC IN 230 V 50/60 Hz**. Use for output signed **LOAD** (connected to divider panel). Pay attention to the proper polarity! Connect the cameras to **OUT 1. - OUT 10.** output. If the measured voltage at the cameras is dropped, (e.g. too long wire) increase the output voltage using trimmer potentiometer on the panel. Measure always the voltage at the camera power input.

OUT current each max.: 1 A (with resettable PTC)

OUT current together max.: 10 A

OUT voltage: 12 V to 13.8 V adjustable



2. Buffered mode: (automatic battery recognition function)

Connect the device to the mains only when the battery is connected earlier. The charger makes battery test after every 20 minutes. In case of error a switched off signal is generated through connector **ERROR**. 12V/7 Ah battery can be accommodated into the box. Connect mains to connector **AC IN 230 V 50/60 Hz**. Use for output signed **LOAD** (connected to divider panel) and connect the battery to output **BAT**. Pay attention to the proper polarity! Adjust the voltage on output **BAT** to 13,8 V by trimmer potentiometer. Connect the cameras to output **OUT 1. - OUT 10.**

ATTENTION! The output voltage is 13,8 V in this case! Install **ME.12V/1A** auxiliary power supply unit into the house of camera which gives 12 VDC with max. current 1 A.

The charging procedure of the battery is automatic (I-U characteristic), no intervention is needed. In case of power-cut the battery deep discharge and break down is prevented by switching off loading at 10,5 V decreased battery voltage. After returning of power the charging process starts. If the charging voltage reaches 12,5 V on the battery the loading is reconnected. This solution is working with safe and avoiding possible trouble.

The meaning of the LED signals. In power supply mode the battery signals do not work.

LED signal state			LED not light	Error message	Delay
Mains OK:	AC	continuous	No power:	ERROR yes	20 s
DC output OK:	DC	continuous	No DC output:	ERROR yes	20 s
Battery OK:	BAT	continuous	Battery is flat:	ERROR yes	20 s
Battery change:	BAT	flashing		ERROR yes	20 s
System overheating:	AC DC BAT	flashing		ERROR yes	0 s
Power on self test:	AC DC BAT + Fan	if exists		ERROR no	2 s
Dynamic battery test	20 s				

Connection of battery: red +; black -

OUT current each max.: 1 A

OUT current together max.: 9.5 A (protected against overload and short-circuit)

OUT voltage: 13.8 V

Specifications:

Input voltage: 230 VAC $\pm 10\%$ 50/60 Hz

Output voltage: 12 to 13,8 VDC (adjustable)

Error contact loading max.: 30 V, 100 mA

Max. loading current: 10 A

Class of insulation: I.

Degree of protection: IP 20

Ambient temperature limit range: -10 °C ...+50 °C

Battery: 12 V/7 Ah

Dimensions (WxHxD mm): 215 x 265 x 70+8

Built-in protections against:

Overloading, short-circuit, overheating, overvoltage, deep discharge, changed polarity at battery (by fuse)